

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1-7. (Cancelled)

8. (Currently Amended) A method for recording a sequence of multivalued data on a recording medium, comprising the steps of:

(a) receiving the sequence of multivalued data for consecutive recording on a single track of the recording medium;

(b) representing the sequence received in step (a) by a sequence of power levels;

(c) grouping the sequence of power levels in step (b) into groups, with each group having first, second and third consecutive power levels from the sequence of power levels;

(d) averaging the first and third power levels to obtain an averaged power level;

(~~de~~) modifying the second power level in each group by a derived value dependent on the ~~first and third power levels in the group~~ averaged power level; and

(~~ef~~) recording on the ~~medium~~ single track the sequence of power levels of step (b) after being modified by step (~~de~~).

9. (Currently Amended) The method of claim 8 wherein step (~~de~~) includes the steps of:

~~averaging the first and third power levels to obtain an averaged power level;~~

differencing the averaged power level and the second power level to obtain a difference; and

multiplying the difference by a predetermined factor to obtain the derived value.

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10. (New) A method of reducing inter-symbol interference on multivalued data in a read process by adjusting the power of a write pulse in a multivalued write process, comprising the steps of:

- (a) storing temporarily multivalued data sequentially;
- (b) assigning a write laser power respectively to each multivalued; and
- (c) modifying the write laser powers sequentially using multivalued of a preceding recorded mark value and a following mark value.

11. (New) The method of claim 10, wherein step (c) includes a modification quantity determined by an average value of the preceding mark value and the following mark value to be recorded.

12. (New) The method of claim 10 wherein after step (c), the following step (d) is performed:

- (d) recording sequentially on a single track the modified write laser powers.
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